

## Parts List:

- |    |      |  |
|----|------|--|
|    | 1.   | Computed Tomography imaging system               |
|    | 2.   | Gantry   |
|    | 4.   | X-ray source                                     |
| 5  | 6.   | Radiation detection apparatus                    |
|    | 8.   | Patient support structure                        |
|    | 10.  | Patient cavity                                   |
|    | 12.  | X-ray emitter                                    |
|    | 16.  | First radiation detector                         |
| 10 | 18.  | Second radiation detector                        |
|    | 20.  | Control mechanism                                |
|    | 22.  | X-ray controller                                 |
|    | 24.  | Gantry motor controller                          |
|    | 26.  | Data acquisition system (DAS)                    |
| 15 | 28.  | Image reconstruction device                      |
|    | 30.  | Data storage device                              |
|    | 32.  | Computer   |
|    | 34.  | Input device                                     |
|    | 36.  | Display  |
| 20 | 38.  | Table controller                                 |
|    | 40.  | Patient  |
|    | 42.  | X-ray beam                                       |
|    | 100. | CT detector module                               |
|    | 101  | first end of 100                                 |
| 25 | 102  | second end of 100                                |
|    | 110. | High voltage electrode                           |
|    | 120. | Support  |
|    | 140. | Connector  |
|    | 150. | Direct conversion material                       |
| 30 | 160. | Substrate  |
|    | 170. | Application-Specific Integrated Circuits (ASICs) |
|    | 180. | Bottom graphite layer                            |
|    | 190. | Top graphite layer                               |
|    | 200. | CT detector module                               |
| 35 | 201. | First end of 200                                 |
|    | 202. | Second end of 200                                |
|    | 210. | High voltage electrode                           |
|    | 220. | First end support                                |
|    | 230. | Second end support                               |
| 40 | 240. | End block connector                              |
|    | 250. | Direct conversion material                       |
|    | 260. | Substrate  |
|    | 270. | ASICs  |

- 280. Bottom graphite layer
- 290. Top graphite layer